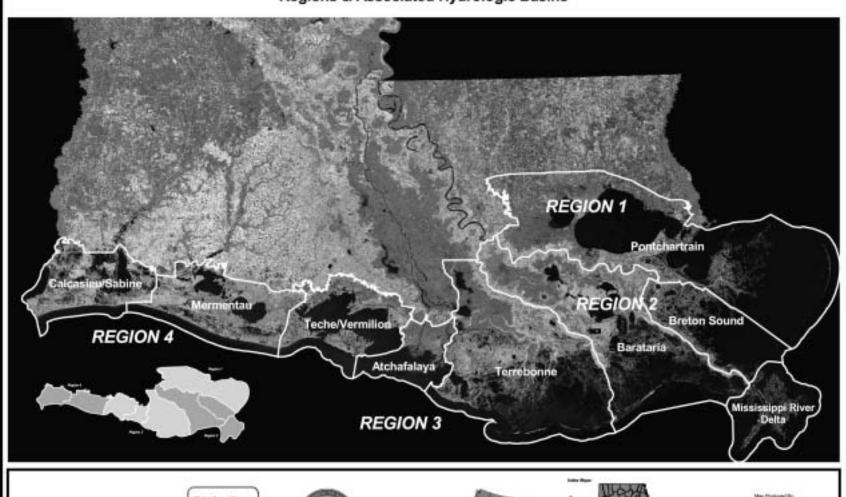




## Louisiana Coastal Area Comprehensive Coastwide Ecosystem Restoration Feasibility Study Regions & Associated Hydrologic Basins









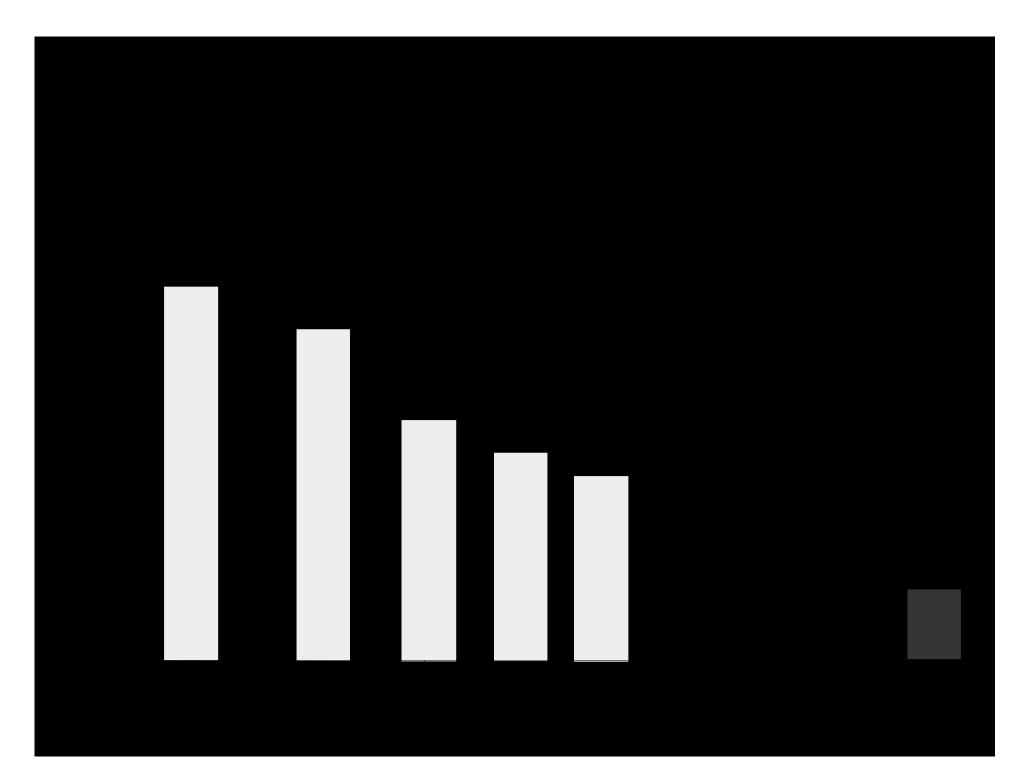


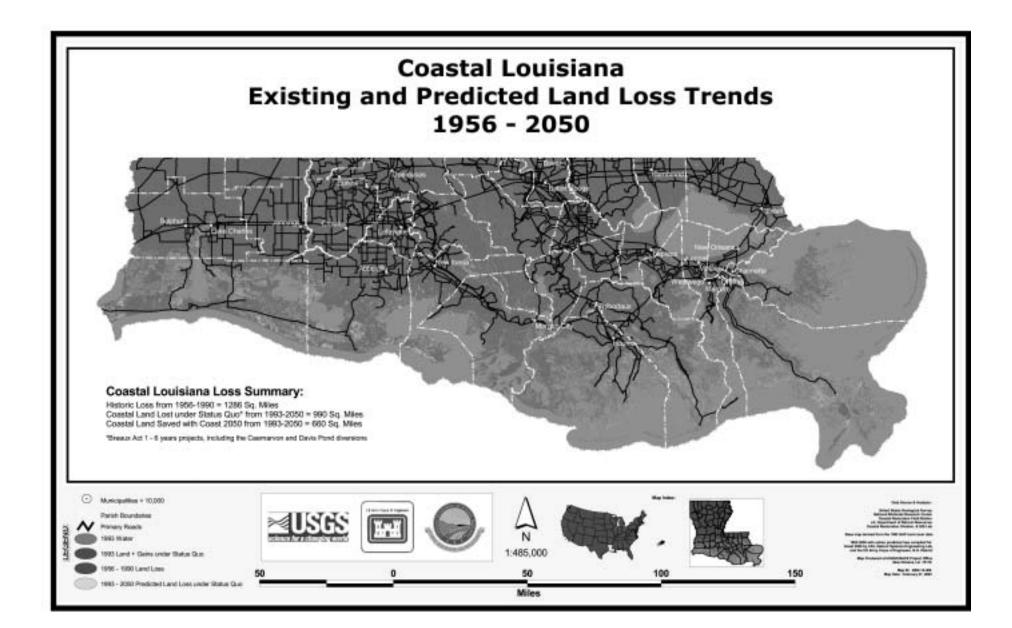




Map Processed in Lating and Training in Thomas Comtactional Processed Program Propert Office James Processed Lating

May 81 (000 to day





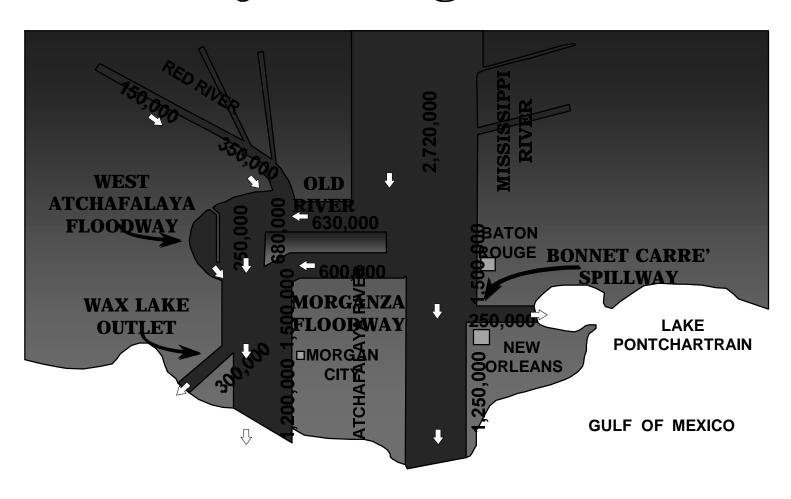
### IMPORTANCE OF THE MISSISSIPPI RIVER TO COASTAL LOUISIANA

The Mississippi
River created a
unique coastal
ecosystem in south
Louisiana through
deltaic processes
over thousands of
years



## **Flood Control Works**

## **Project Design Flood**



Barrier Island Degradation



## Major Causes Of Wetland Loss



Subsidence

Storms





Sea Level Rise

Salt Water Intrusion



Canals



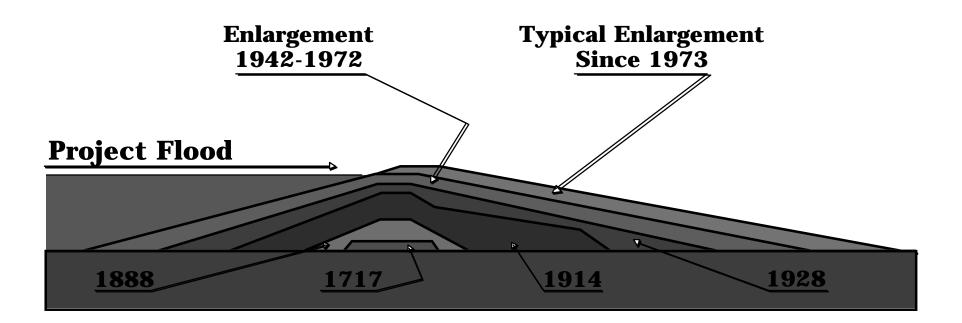


System

Sediment Reduction

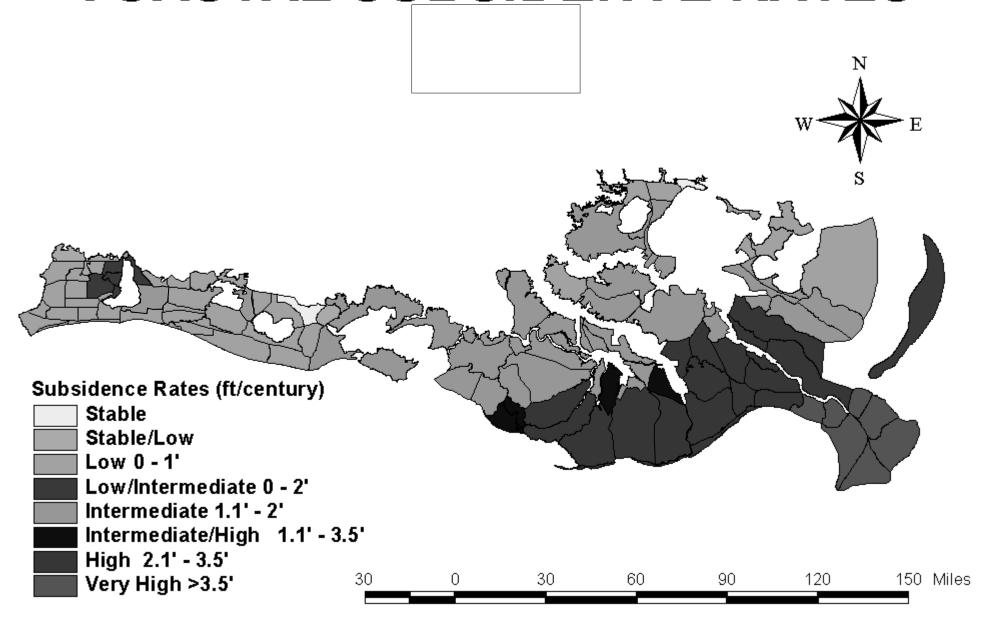
Oil & Gas Development

## Evolution Of Mississippi River Levees





## **COASTAL SUBSIDENCE RATES**



### What's at Stake

## COASTAL WETLAND LOSS

A threat to:

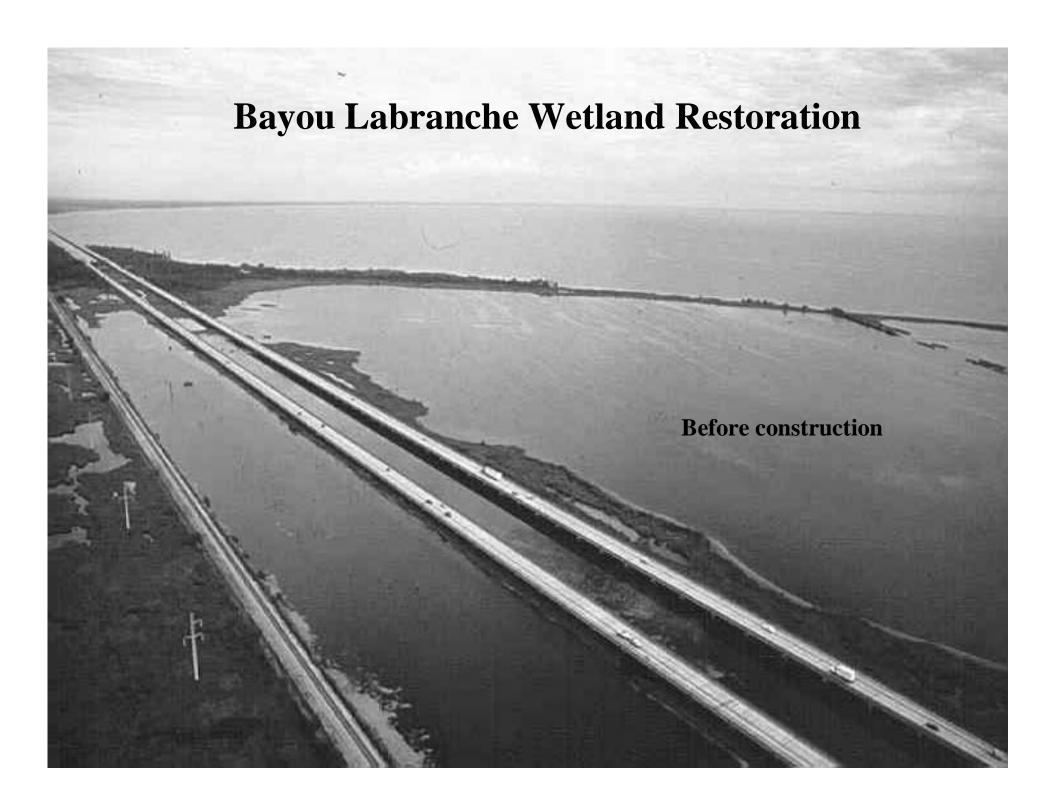
- -a regional & national economy,
- -the safety of the public,
- -and a unique heritage & lifestyle

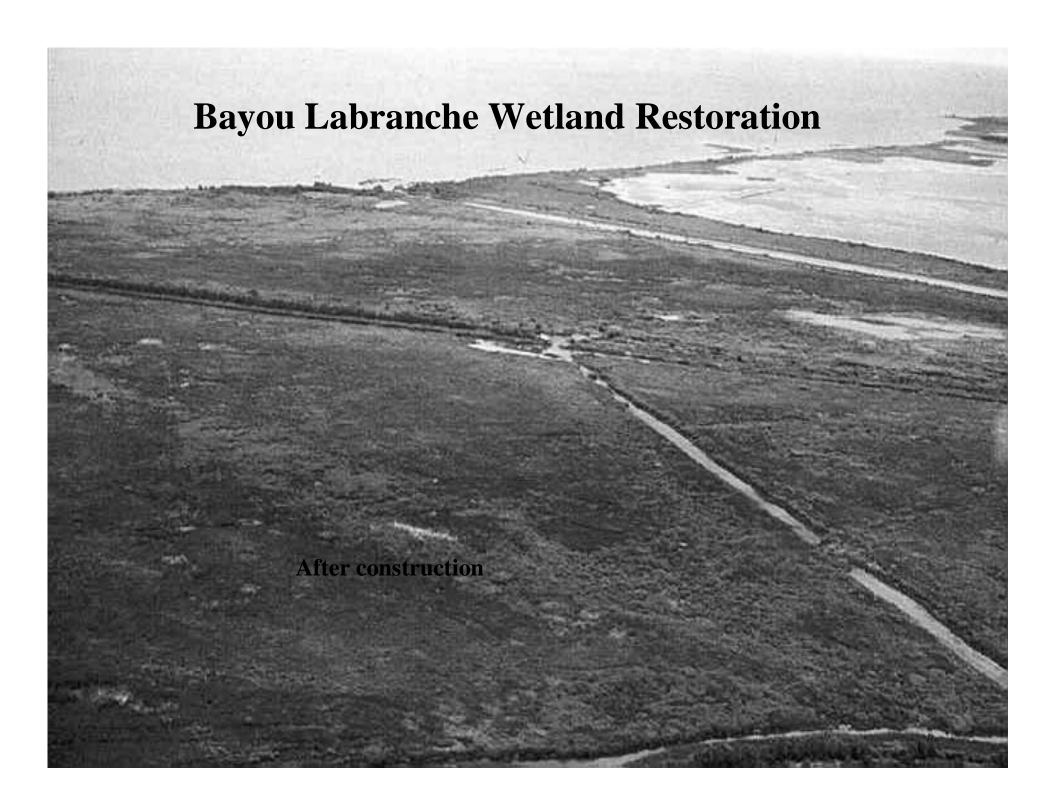


## Potential Restoration Solutions

- **★ Types of Projects** 
  - River Diversions
  - Marsh Creation
  - Barrier Restoration and Shoreline Protection





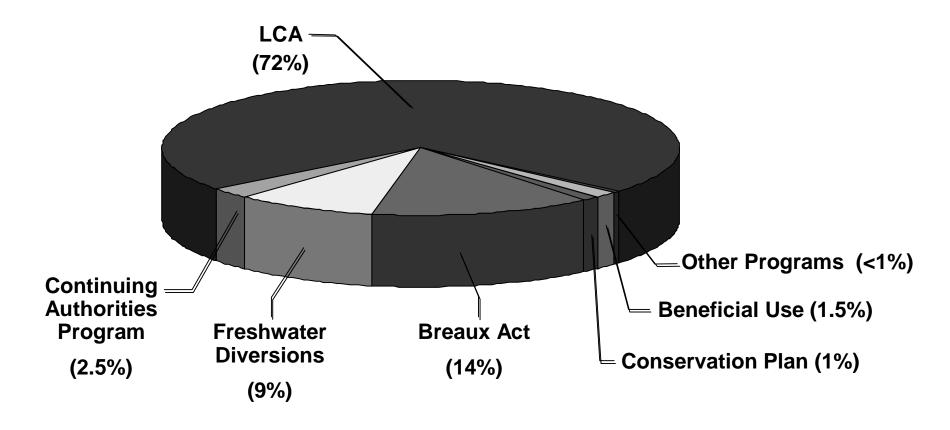




## Coast 2050 Proposed Strategies



## Efforts to Stop Coastal Wetland Loss



Total Annual Wetland Loss: approximately 20,000 acres

## Comparison of LCA to Breaux Act

#### \* LCA

- Comprehensive
- Streamline Processes
- Additional Agencies Involved
- Washington Level Task Force
- Multi Funding Sources

#### **★ Breaux Act**

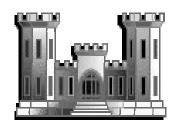
- Site Specific
- Defined Process
- Specific Agencies Involved
- Field Level Task Force
- Specific Funding Source

## Use of Breaux Act?

- **★ Test for larger solutions**
- \* Forms a basis for consensus
- \* Forms basis for agency cooperation
- \* Maintains continuity of project construction
- \* Immediate responsiveness
- \* Forum for resolution of issues
- \* Provides the public involvement base

## Linkages Between LCA & Breaux Act

- \* Sharing resources
  - Technical studies
  - Public involvement
- ★ Agencies (participation and buy-in)
- **★ Co-location of staff**



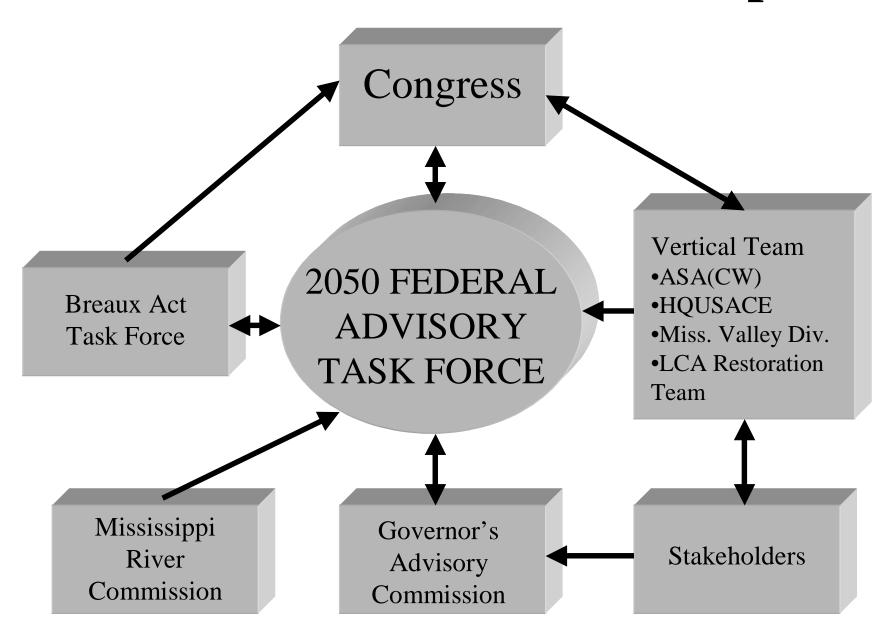
## **Co-location**



<u>Corp</u>	<b>Agencies</b>	
<u>Number</u>	<u>Discipline</u>	
10	<b>Breaux Act Staff</b>	LA DNR
4	Environmental	LA DOTD
1	Economist	EPA
1	Cost Engineer	USFWS
1	Hydraulic Engr.	NMFS
1	Geotechnical Engr.	USGS
2	Design Engineers	WES
1	Senior Project Manager	NRCS
	Total Personnel	_ 30

**Total Personnel = 30** 

## **Interaction of Interest Groups**



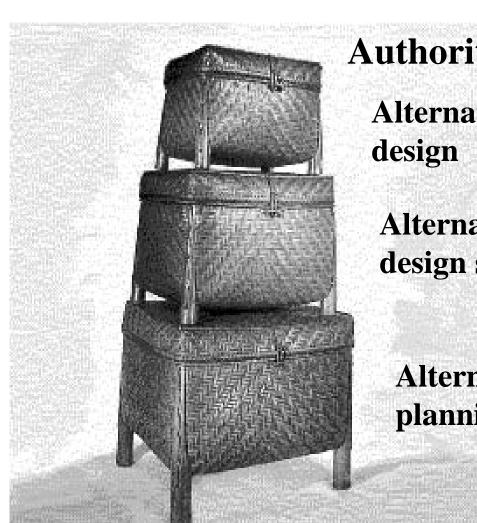
### Goals for WRDA 2002

- Formation of the Federal Task Force in 2002
- Direct completion of the comprehensive report by July 2004

- Federal advisory task force
  - Structure
  - Chair Assistant Secretary of the Army (Civil Works)
  - Members at assistant secretary level
    - Interior
    - EPA
    - Commerce
    - Agriculture
    - Energy
    - Transportation
  - Louisiana Reps from Governor's office
  - MRC reports to the commission

- Federal / State Funding Sources
  - Energy / Oil trust funds
  - Navigation / Fuel tax trust funds
  - CARA special authority to cost share
  - Corps appropriations
  - State appropriations, special taxes, user fees, etc.
  - Private contributions

- **★ Comprehensive report coast-wide restoration** program
  - LCA comprehensive coast-wide strategy
  - Anticipated funding requirement of \$14 billion
  - Delegate three tiered individual project authorization
  - Programmatic Project Cooperation Agreement and supplement for each project
  - Other innovations



**Authority will fall into 3 Baskets:** 

Alternatives ready for engineering design

Alternatives requiring further design studies

Alternatives requiring additional planning studies & evaluation

## **Action Items**

- ★ Federal Advisory Task Force agencies & leadership
- **★ Establishment of an enduring Governor's Advisory**Commission
- \* Significant public involvement program
- **★ Innovative cost sharing & funding**
- \* Expedited implementation via a programmatic authorization